

SECOND SUBSTITUTE SPECIFICATION

F-8721

Ser. No. 10/541,682

Abstract

A one-way clutch spring intended to reduce drag torque of one-way clutches. Tongues extend within pockets in which engagement members are disposed are bent in advance radially inward when they are disposed in an annular space so as to have bends at a proximal end and to form an angle of inclination (α) of 20°-30° with a base. Further, the angle of inclination (β) with the base increases to exceed the angle of inclination (α) by an amount of 5° -15° when engagement members contact the tongues. Further, the height of the front end of the tongue relative to the base is greater than that of a top of the second bend to the base, and the three bends each have their center of curvature positioned on the side of an inner ring with the base used as a reference and their radius of curvature is 0.2 mm -0.6 mm.